

Monitoring & Targeting. To manage you need to monitor.

Collecting, analysing and evaluating important energy data to reduce energy use.

It is often difficult to know the best way to make changes to your bottom line without harming the running of your business.

One off audits provide a snapshot of energy use and can provide a future target. Continual monitoring against that target will ensure that all are working for the result and when achieved the savings will be maintained.

Monitoring & Targeting (M&T) is based on the management system model of continual improvement and remains the key component for ISO 50001 :2011. The energy management process can be readily integrated into an organisation's ongoing environmental management policy.

Studies reveal that a Monitoring & Targeting system can reduce energy use by 5% or more. Smart Power offers professional support, information and recommendations to help secure these savings for your business.

Our M&T process involves:

- Compiling detailed information about business processes and activities.
- Relating business processes and activities to energy use and cost.
- Setting targets for reducing consumption with your team.
- Monitoring and measuring results from changes.

Our half-hourly data profiling and custom built Smart Alert tool identify potential issues. We provide monthly and quarterly reports highlighting issues and recommending solutions.

Targeted optimisation requires knowing how much energy is being consumed where.

Half-hourly Profiling.

Once a potential issue has been flagged, we analyse the half-hourly data to compare your energy use and load against an audited profile, industry norms and historical data.

Many customers get us to provide a monthly profile check on key sites and provide comment if we note an issue. If we know enough about the site we can, using our expertise, narrow what equipment might be causing the problem.

We analyse:

- Daily loads, including air con time-clock operations, base load variations, usage from cleaners, peak demands and energy use by time period;
- Demand against capacity (or 'MDQ' for gas sites) to minimise risks (minimal spare capacity) or opportunities (excessive spare capacity);
- Power factor;
- Public holidays and weekend usage.

Benefits:

- Identify issues quickly
- Create database of historic use to resolve issues
- Monitor all aspects of a site's performance
- Identifies deterioration in power factor
- Data logs available for drill-down into site performance
- Easily combined with 'Continuous Commissioning'.

Monthly and Quarterly Reporting.

Our monthly and quarterly reports use a variety of tools to identify saving opportunities by comparing performance against expectations. The reports allow for benchmarking performance against budget, targets, history and other sites – as well as industry norms/expectations.

Our reports provide:

- A summary of your portfolio's performance.
- Half-hourly profiling of key sites.
- An action plan identifying energy-saving opportunities.

We can present data using our template format, or customise the scale, format and information to meet our clients' specific needs.

Benefits/Features:

- Monitors portfolio performance trends.
- Identifies opportunities.
- Creates action plans.
- Allows detailed analysis of key sites.
- Tracks performance against budgets & targets.
- Allows customised reporting supporting best practice energy management.



What our clients say.

"Smart Power has been proactive in providing energy savings and information for our environmental reporting for several years. The simplicity of receiving the information and recommendations coupled with the knowledge it's accurate and complete means we can make informed decisions that reduce our overall costs." – Peter Dobney

"They understand our business and can tailor their support and advice to our needs."



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